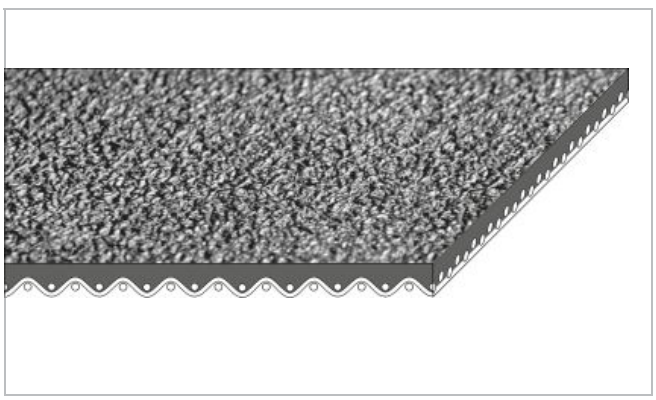
Food Belts
PU12BE

Applications
Food processing/conveying belt, Pulley lagging

Special features
Abrasion resistant, Easy cleanability, Edges wear resistant, Oil and fat resistant, Small pulley diameter suitable





Product Construction / Design	
Conveying side material	Thermoplastic polyurethane (TPU)
Conveying side surface	Grit structure
Conveying side property	Adhesive
Conveying side color	Cobalt blue
Traction layer (material)	Polyester (PET)
Number of Fabrics	1
Pulley side material	Polyester (PET)
Pulley side surface	Fabric
Pulley side property	Non-adhesive
Pulley side color	White

Product characteristics	
Antistatically equipped	No
Adhesive free joining method	Ja
Flammability	No specific flammability prevention property
Food suitability, FDA conformance	Yes - Check Document of Compliance (DoC) in our Portal
Food suitability, EU conformance	Yes - Check Document of Compliance (DoC) in our Portal

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Technical data				
Thickness of belt	2.0	mm	*0.079*	*tommer*
Mass of belt (belt weight)	1.9	kg/m²	*0.389*	*lb/sqft*
Tensile force for 1% elongation (k1% static) per unit of width (Habasit standard SOP3-155)	2.2	N/mm	*13*	*lbf/in*
Tensile force for 1% elongation after relaxation (k1% relaxed) per unit of width (Habasit Standard SOP3-155 / EN ISO 21181)	1.8	N/mm	*10*	*lbf/in*
Min. operating temperature admissible (continuous)	-20	°C	*-4*	*°F*
Max. operating temperature admissible (continuous)	90	°C	*194*	*°F*
Coefficient of friction (pulley side / steel driving pulley)	0.25	-		
Coefficient of friction (pulley side / driving pulley with friction cover)	0.35	-		
Coefficient of friction (pulley side / pickled steel slider bed)	0.35	-		
Coefficient of friction (pulley side / phenolic resin slider bed)	0.25	-		
Coefficient of friction (pulley side / stainless steel slider bed)	0.20	-		
Seamless manufacturing width	1020	mm	*40.16*	*tommer*

Joining related properties

Joining method	
Flexproof 10 x 80	Master joining method for standard applications

Link to JDS:

Joining method		Flexproof 10 x 80
Knife-edge (nosebar) radius (minimum)	mm *tommer*	7 *0.276*
Pulley diameter (minimum)	mm *tommer*	20 *0.79*
Pulley diameter minimum with counter flection	mm *tommer*	25 *0.98*
Admissible tensile force per unit of width	N/mm *lbf/in*	4.6 *26*
Admissible tensile force per unit of width at max. operating temperature	N/mm *lbf/in*	2.6 *15*
Slider bed suitable		Yes
Carrying rollers suitable		Yes
Powerturns / curved installations		No
Low noise applications		No
Designed for metal detector transparency		Yes

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554). Limited representative testing based on a standard configuration is carried out to estimate minimum pulley diameters. Please contact Habasit for specific guidance regarding non-standard applications, including, but not exclusively, when profiles or cleats are used, or if the belt working temperature is close to the limits listed in this document.

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Chemical resistance
Link til informasjon om kemisk resistens https:/rims.habasit.com

Mode of use or conveyance
Declined, Horizontal, Inclined

Calculations
For most applications calculation is not required. Should you still need a calculation: please ask Habasit.

Recommendation
Install the slack belt and tension until running perfectly under the full belt load

Store spare belts in a cool and dry place and if possible in their original packaging. Protect spare belts from sunlight/UV-radiation/dust/dirt! Check Link for Storage requirements:
"https://tdm.habasit.com/pds/en-us/Storage%20of%20Habasit%20material.pdf"

Edge sealing by hot air required, This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 2014/34/EU) and therefore is subject to user's analysis in the respective environment

Group	TPU Belts General Purpose Belts
Del nummer	H700000295

Ansvarsfraskrivelse
Ansvarsfraskrivelse for produktanvendelse (gælder for ALLE Habasit produkter og nævnt på alle produktdatablade)
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DISSE PRODUKTER OMFATTES AF HABASITS UDTRYKTE GARANTI, SOM ER DEN ENESTE GÆLDENDE GARANTI OG ERSTATTER ALLE ANDRE EVENTUELLE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE. HABASIT FRASKRIVER SIG ALT ANSVAR FOR ALLE ANDRE GARANTIER, UDTRYKTE ELLER UNDERFORSTÅEDE, INKLUSIVE, DOG UDEN AT BEGRÆNSES DERTIL, UNDERFORSTÅEDE GARANTIER OM SALGBARHED, EGNETHED TIL ET BESTEMT FORMÅL, AT PRODUKTERNE IKKE STRIDER MOD NOGLE REGLER, SAMT GARANTIER SOM FØLGE AF AFTALE, ANVENDELSE ELLER HANDEL. DETTE FORBEHOLD GÆLDER I DEN UDSTRÆKNING SOM LOVEN TILLADER. DA FORUDSÆTNINGERNE FOR ANVENDELSE ER UDEN FOR HABASITS KONTROL, KAN VI IKKE TAGE NOGET ANSVAR FOR DE NÆVNTE PRODUKTERS EGNETHED ELLER PROCESTILPASNING. DETTE FORBEHOLD GÆLDER OGSÅ FOR INDIKATIONER FRA PROCESRESULTATER OG OUTPUT.